

CLAIMS:

5 What is claimed is:

1. A high frequency, right angle socket comprising:

10 a body including a longitudinal bore extending completely through said body and a transverse bore intersecting said longitudinal bore;

a first dielectric formed to frictionally engage said longitudinal bore, said dielectric having a proximal end and a distal end and including a longitudinal electric contact receiving chamber;

15 a right angle electrical contact having a longitudinal portion and a transverse portion, said longitudinal portion including a first contact retainer, said transverse portion including a second contact retainer, said longitudinal portion fitted into said longitudinal electrical contact receiving chamber of said first dielectric, said contact retainer on said longitudinal portion engaging the interior wall of said longitudinal contact receiving chamber;

20 a second dielectric formed to frictionally engage said transverse bore and including a transverse electrical contact receiving chamber, said transverse portion of said right angle electrical contact fitted into said transverse electrical contact receiving chamber, said contact retainer on said transverse portion engaging the interior wall of said transverse electrical receiving chamber; and

25 a cap closing one end of said longitudinal bore.

2. The high frequency, right angle socket of Claim 1 wherein said distal end of said first dielectric includes an external shoulder that engages an internal shoulder formed in said longitudinal bore.

3. The high frequency, right angle socket of Claim 2 wherein said second dielectric includes a chamfered end.

4. The high frequency, right angle socket of Claim 3 wherein said chamfered end of said
5 second dielectric engages a chamfered edged at the terminus of said transverse bore.

5. The high frequency, right angle socket of Claim 4 wherein said distal end of said first dielectric further includes an alignment slot and said second dielectric includes an alignment tab in engagement with said alignment slot.

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6. The high frequency, right angle socket of Claim 5 wherein said proximal end of said first dielectric is cup-shaped for a given depth.

7. The high frequency, right angle socket of Claim 6 wherein said given depth is less
15 than the length of said first dielectric.

8. The high frequency, right angle socket of Claim 7 wherein said body is formed of electrically conductive material; said cap is formed of electrically conductive material and said cap is held in position by coining.

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